

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLN. OF: ABRAMS et al.

FILED: January 12, 2004

FOR: METERING AND PACKAGING OF CONTROLLED RELEASE. . .

GROUP: 1615

EXAMINER: SUSAN T. TRAN DOCKET: MICRODOSE 99.02 CON2

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In connection with the above-entitled matter, Applicants hereby proffer U.S. Patent Office Forms PTO-1449 and PTO-892. The present application is a continuation under 37 CFR 1.53(b) of application Serial No. 10/044,612, filed January 11, 2002, which in turn is a continuation of Serial No. 09/376,619, now issued U.S. Pat. No. 6,428,809, issued August 6, 2002 wherein the references referred to in the enclosed U.S. Patent Office Forms PTO-1449 and PTO-892 have been previously submitted or cited. Accordingly, it is respectfully submitted that no copies of these references are believed necessary. The claims in the present application are believed to be patentably distinguished over these references.

This information disclosure statement is being made pursuant to the duty of disclosure imposed by law and formulated in 37 CFR 1.56(A). No representation is made that the information thus disclosed in fact constitutes prior art or that it is the closest prior art, inasmuch as 37 CFR 1.56(A) relies on a materiality concept which depends on subjectivity.

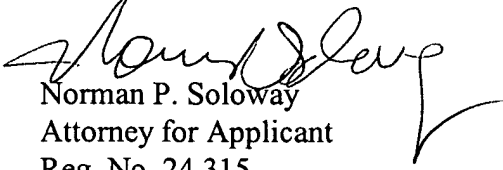
HAYES SOLOWAY P.C.

130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account No. 08-1391.

Respectfully submitted,


Norman P. Soloway
Attorney for Applicant
Reg. No. 24,315

CERTIFICATE OF EXPRESS MAIL

"Express Mail" Mailing Label No. ER 772543460 US

Date of Deposit January 12, 2004

I hereby certify that this paper and the papers listed thereon are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above, and is addressed to MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of person mailing: Shauna Bronson

Name of person mailing: 

HAYES SOLOWAY P.C.

130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

MICRODOSE 99.02 CIP

Application Number

Unknown

Applicant(s)

ABRAMS, et al.

Filing Date

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,960,609	10/05/1999	ABRAMS et al.			
		4,795,644	01/03/1989	ZENTNER			

COPY

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Notice of References Cited	Application/Control No. 10/044,612	Applicant(s)/Patent Under Reexamination ABRAMS ET AL.	
	Examiner Susan Tran	Art Unit 1615	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
✓	A	US-4197289	04-1980	Sturzenegger et al.	424/21
✓	B	US-6319541	11-2001	Pletcher et al.	427/2.14
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

INFORMATION DISCLOSURE CITATION COPY OF PAPERS
(Use several sheets if necessary)

ATTY DOCKET NO.

MICRODC

199.04

SERIAL NO.

09/376,619

ABRAMS ET AL

FILING

AUGUST 18, 1999

GROUP

1615

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
S.T.	6,032,871	03/07/2000	BORNER ET AL	239	3	
S.T.	5,585,099 5,858,099	01/12/1999	SUN ET AL	118	621	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
S.T.	EP 0 885 662 A1	12/23/1998	EUROPEAN	B05D	1/06	✓	
S.T.	WO 98/42446	10/01/1998	PCT WO	B05B	5/025	✓	
S.T.	EP 0 891 817 A2	01/20/1999	EUROPEAN	B05B	5/08	✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

S.T.

DATE CONSIDERED

12/16/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

MICRODOSE 99.02

SERIAL NO.

09/376,619

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Abrams et al

FILING DATE

August 18, 1999

GROUP

3721

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
S.T.	5 6 9 9 6 4 9	12/23/97	Abrams et al	53	420	
	5 4 5 4 2 7 1	10/3/95	Yamamoto et al	73	861.04	
	5 4 9 0 9 6 2	2/13/96	Cima et al	264	22	
	5 2 0 4 0 5 5	4/20/93	Sachs et al	419	2	
	5 2 1 4 3 8 6	5/25/93	Singer et al	324	452	
	5 1 0 2 0 4 5	4/7/92	Diana	239	3	
	5 0 0 5 5 1 5	4/9/91	Speer	118	657	
	3 9 4 3 4 3 7	3/9/76	Mourier	324	32	
	3 8 8 9 6 2 6	6/17/75	Smith	118	621	
	3 9 9 9 1 1 9	12/21/75	Bares	324	32	
S.T.	4 0 7 1 1 6 9	1/31/78	Dunn	222	76	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
S.T.	0 4 3 1 9 2 4	1/31/96	EPO EP	B29C	67/24	x	
S.T.	9 8 0 0 3 3 7	1/8/98	EPO WO	B65B	1/30	x	
S.T.	4 2 7 7 1 2 6	Oct '92	Japan	195	690.01	x	

OTHER DOCUMENTS (Including Author, Title, Date*, Relevant Pages, Place of Publication***)

S.T.	Science News, Vol. 151, page 205, "Ink jets not just for the printed page". (April 5, 1997).

EXAMINER

S.T.

DATE CONSIDERED

12/16/02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
MICRODOSE 99.02

SERIAL NO.
09/376,619

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

JUN 04 2002

APPLICANT

Alzams et al

FILING DATE

August 18, 1999

GROUP

372

COPY

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
S.T.	4 2 0 4 7 6 6	5/27/80	Harada	356	404	
	4 3 9 9 6 9 9	8/23/83	Fuishiro	73	304	
	4 5 9 4 9 0 1	6/17/86	Norman	73	661.04	
	4 8 7 8 4 5 4	11/7/89	Cann	118	663	
	4 0 2 1 5 8 7	5/3/77	Banker	427	18	
	4 2 5 2 4 3 4	2/24/81	Nakamura et al	355	15	
	4 1 7 0 2 8 7	10/9/79	Edwards et al	198	657	
	4 5 5 5 1 7 4	11/26/88	Kramer	355	3 DD	
	4 8 4 8 2 6 7	7/18/89	Slayton et al	118	653	
	3 2 4 1 6 2 5	3/22/66	V.J. Sootian	177	120	
S.T.	3 4 3 7 0 7 4	4/8/69	J.J. Hagopain et al	118	623	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

EXAMINER

S.T.

DATE CONSIDERED

12/16/02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to

COPY OF PAPERS

Sheet 3 of 4

ORIGINALLY FILED AT PTY. DOCKET NO.

SERIAL NO.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE

MICRODOSE '99:02

09/09/3769619

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT

Abrams et al

FILING DATE

GROUP

August 18, 1999

3721

(37 CFR 1.98(b))

PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
S.T.	5 6 6 9 9 7 3	9/23/97	Pletcher	118	624	
	5 7 1 4 0 0 7	2/3/98	Pletcher et al	118	629	
	3 9 7 7 3 2 3	8/31/76	Pressman et al	101	426	
	4 3 7 9 9 6 9	4/12/83	Cobb et al	250	324	
	4 6 2 6 8 7 6	12/2/86	Miyagawa et al	346	160	
	4 5 1 4 7 8 1	4/30/85	Plasschaert et al	361	230	
	4 7 3 4 7 2 2	3/29/88	Maczuszenko et al	346	159	
	4 8 7 5 0 6 0	10/17/89	Masuda et al	346	155	
	4 2 5 5 7 7 7	3/10/81	Kelly	361	228	
	5 6 5 5 5 2 3	8/12/97	Hodson et al	128	315	
S.T.	5 4 2 1 8 1 6	6/6/95	Lipkovker	604	20	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

FOREIGN PATENTS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
												YES	NO

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER

S.T.

DATE CONSIDERED

12/16/02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM. PTO-1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

MICRODOSE 99.02

SERIAL NO.

09/376,619.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT

Abrams, et al

FILED DATE

August 18, 1999

GROUP	DATE	TIME	LOCATION	REMARKS
1	10/10/1964	10:00	1000	1000
2	10/10/1964	10:00	1000	1000
3	10/10/1964	10:00	1000	1000
4	10/10/1964	10:00	1000	1000
5	10/10/1964	10:00	1000	1000
6	10/10/1964	10:00	1000	1000
7	10/10/1964	10:00	1000	1000
8	10/10/1964	10:00	1000	1000
9	10/10/1964	10:00	1000	1000
10	10/10/1964	10:00	1000	1000
11	10/10/1964	10:00	1000	1000
12	10/10/1964	10:00	1000	1000
13	10/10/1964	10:00	1000	1000
14	10/10/1964	10:00	1000	1000
15	10/10/1964	10:00	1000	1000
16	10/10/1964	10:00	1000	1000
17	10/10/1964	10:00	1000	1000
18	10/10/1964	10:00	1000	1000
19	10/10/1964	10:00	1000	1000
20	10/10/1964	10:00	1000	1000
21	10/10/1964	10:00	1000	1000
22	10/10/1964	10:00	1000	1000
23	10/10/1964	10:00	1000	1000
24	10/10/1964	10:00	1000	1000
25	10/10/1964	10:00	1000	1000
26	10/10/1964	10:00	1000	1000
27	10/10/1964	10:00	1000	1000
28	10/10/1964	10:00	1000	1000
29	10/10/1964	10:00	1000	1000
30	10/10/1964	10:00	1000	1000
31	10/10/1964	10:00	1000	1000
32	10/10/1964	10:00	1000	1000
33	10/10/1964	10:00	1000	1000
34	10/10/1964	10:00	1000	1000
35	10/10/1964	10:00	1000	1000
36	10/10/1964	10:00	1000	1000
37	10/10/1964	10:00	1000	1000
38	10/10/1964	10:00	1000	1000
39	10/10/1964	10:00	1000	1000
40	10/10/1964	10:00	1000	1000
41	10/10/1964	10:00	1000	1000
42	10/10/1964	10:00	1000	1000
43	10/10/1964	10:00	1000	1000
44	10/10/1964	10:00	1000	1000
45	10/10/1964	10:00	1000	1000
46	10/10/1964	10:00	1000	1000
47	10/10/1964	10:00	1000	1000
48	10/10/1964	10:00	1000	1000
49	10/10/1964	10:00	1000	1000
50	10/10/1964	10:00	1000	1000
51	10/10/1964	10:00	1000	1000
52	10/10/1964	10:00	1000	1000
53	10/10/1964	10:00	1000	1000
54	10/10/1964	10:00	1000	1000
55	10/10/1964	10:00	1000	1000
56	10/10/1964	10:00	1000	1000
57	10/10/1964	10:00	1000	1000
58	10/10/1964	10:00	1000	1000
59	10/10/1964	10:00	1000	1000
60	10/10/1964	10:00	1000	1000
61	10/10/1964	10:00	1000	1000
62	10/10/1964	10:00	1000	1000
63	10/10/1964	10:00	1000	1000
64	10/10/1964	10:00	1000	1000
65	10/10/1964	10:00	1000	1000
66	10			

3721

~~U.S. PATENT~~ DOCUMENTS

[illegible]

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

[illegible]

EXAMINER

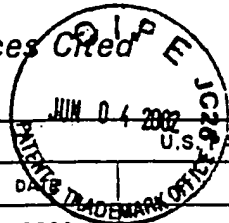
55

DATE CONSIDERED

12/16/02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Notice of References Cited



Application No. 09/376,619	Applicant(s) Abrams et al.	
Examiner Susan Tran	Group Art Unit 1615	Page 1 of 1

U.S. PATENT DOCUMENTS					
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	6,009,690 ✓	1/2000	Rosenberg et al.	53	454
B	6,013,280 ✓	1/2000	Frisbee et al.	424	464
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

COPY

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

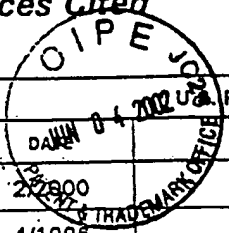
NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U		
V		
W		
X		

COPY OF PAPERS.
ORIGINALLY FILED

Notice of References Cited

Application No. 09/376,619	Applicant(s) Abrams et al.	
Examiner Susan Tran	Group Art Unit 1615	Page 1 of 1



PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	6,027,748 ✓	2/2000	Conte et al.	424	458
B	5,508,040 ✓	4/1998	Chen	424	451
C	5,074,426 ✓	12/1991	Goodhart et al.	220	4.24
D	5,009,894 ✓	4/1991	Hsiao	424	451
E	4,339,428 ✓	7/1982	Tencza	424	21
F					
G					
H					
I					
J					
K					
L					
M					

COPY

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U		
V		
W		
X		

Notic of References Cited	Application/Control No. 10/044,612		Applicant(s)/Patent Under Reexamination ABRAMS ET AL.	
	Examiner Susan Tran		Art Unit 1615	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
X	A	US-4795644	01-1989	Zentner	424/468
X	B	US-5960609	10-1999	Abrams et al.	53/428
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

COPY

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.